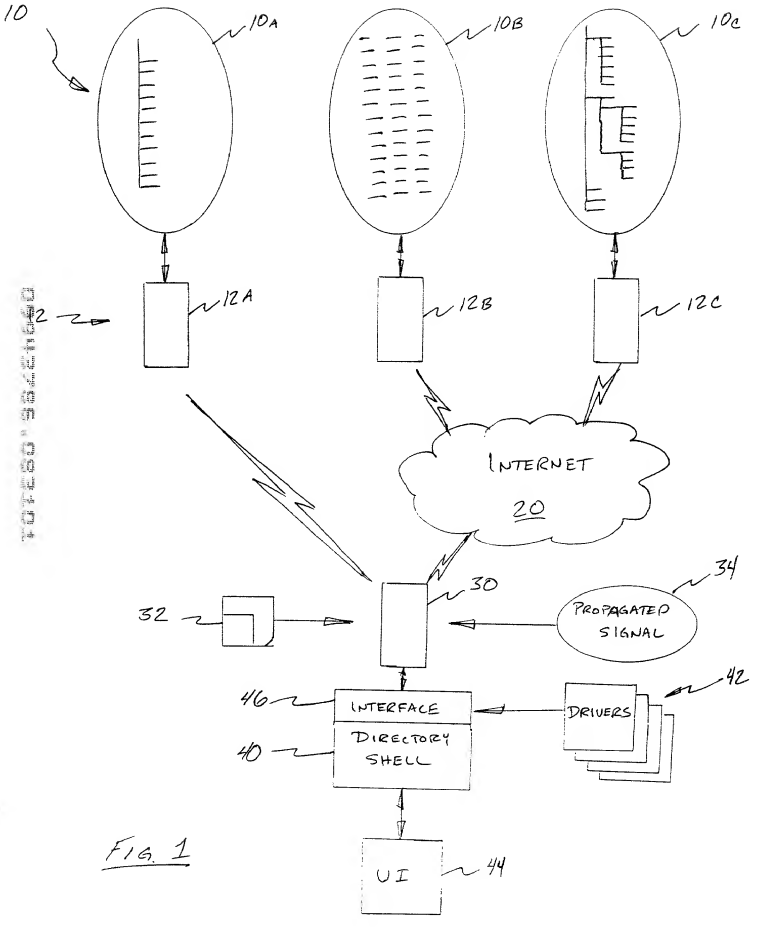
10
10A
10B
10C
12
12A
12B
12C
INTERNET
20
30
32
34
PROPAGATED SIGNAL
46
INTERFACE
40
DIRECTORY SHELL
42
DRIVERS
UI
44

FIG. 1

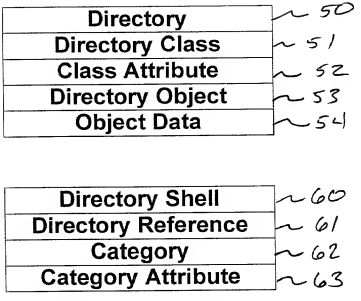
Directory
Directory Class
Class Attribute
Directory Object
Object Data
50
51
52
53
54
Directory Shell
Directory Reference
Category
Category Attribute
60
61
62
63

Fig. 2

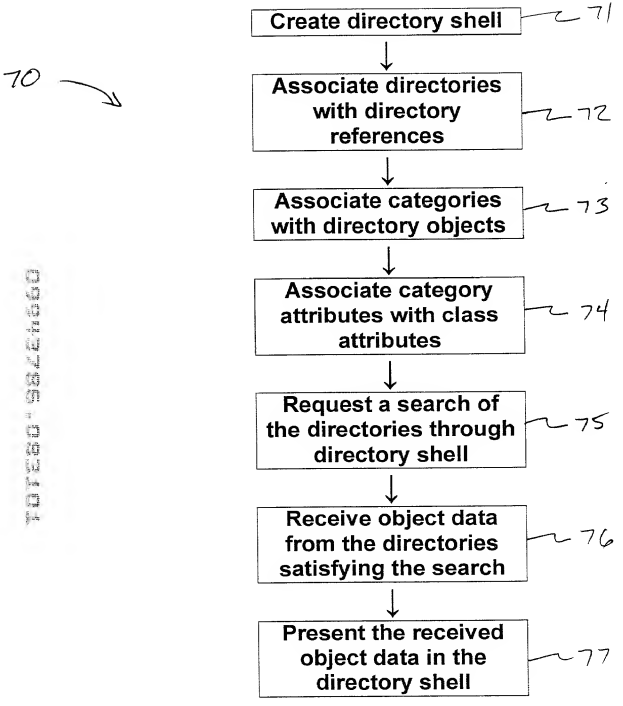
70
Create directory shell
71
Associate directories with directory references
72
Associate categories with directory objects
73
Associate category attributes with class attributes
74
Request a search of the directories through directory shell
75
Receive object data from the directories satisfying the search
76
Present the received object data in the directory shell
77

Fig. 3

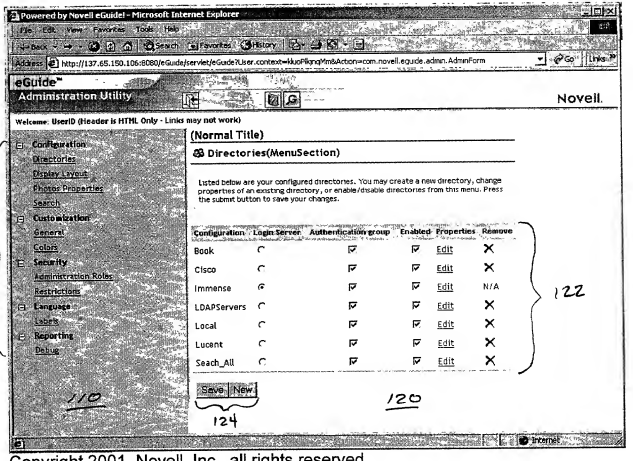

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Fig. 4

100

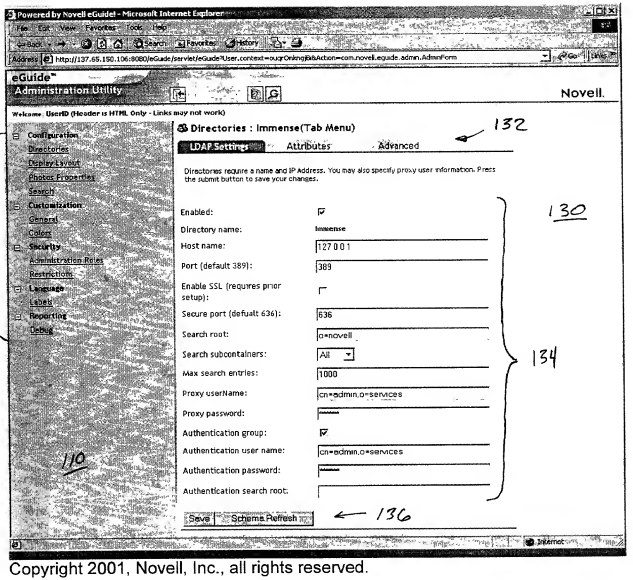

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Fig. 5

100

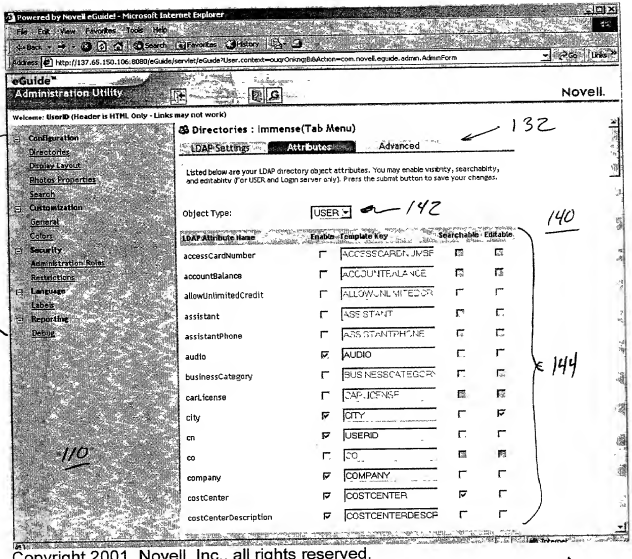

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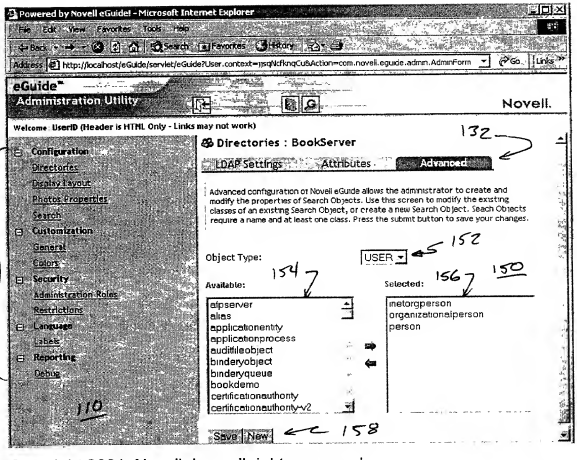
Fig. 6



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100

Fig. 7

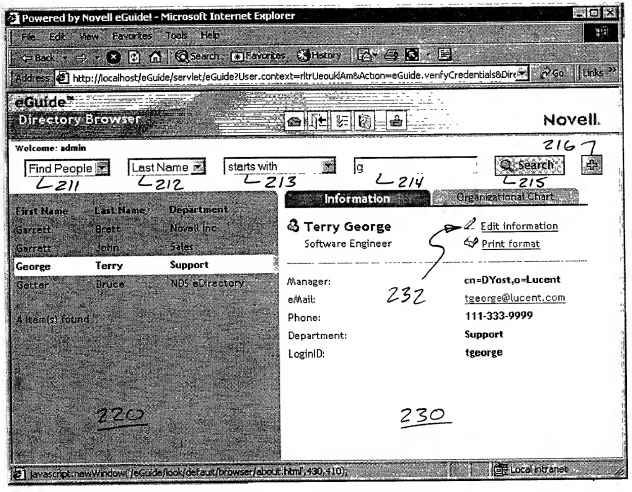

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Fig. 8

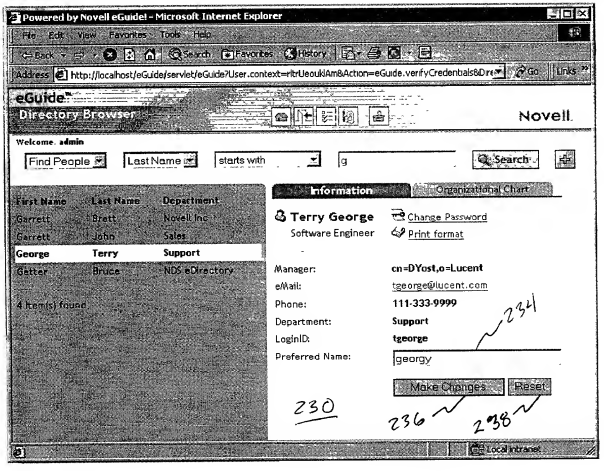

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Fig. 9

200

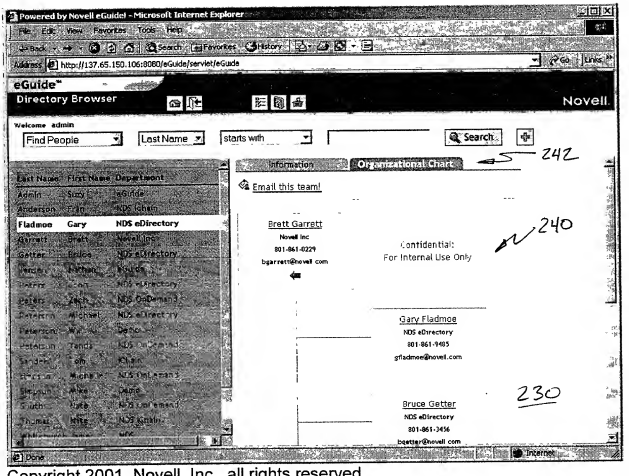

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Fig. 10

200

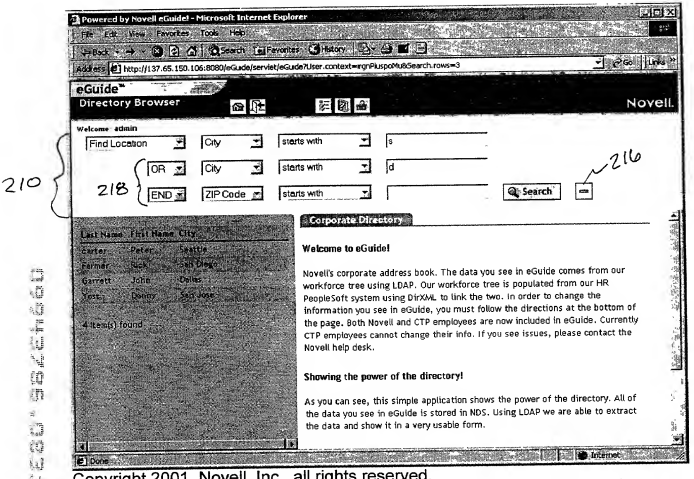

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Fig. 11

200